

PROJECT SCOPING WORKSHEET

Date: April 6, 2015
 City: New Rockford
 County: Eddy

Street: 1st Street East & West (US 281 Frontage Roads)
 Length: 2950 LF East, 1500 LF West

Proposed Improvement:

Remove & Replace existing bituminous pavement and curb and gutter.

Grading in the existing ditches to eliminate steep US 281 Foreslopes which would require the placement of storm sewer for a portion of the roadway.

| Cost Estimates Breakdown | | | | | | | |
|--------------------------|--------|------------------------|---------|-----------|---------|---------|-----------|
| Alternate | PE | Construction Easements | Utility | Constr. | Bridges | CE | Total |
| East | 80,000 | 5,000 | 5,000 | 1,262,000 | 0 | 120,000 | 1,472,000 |
| West | 28,000 | 3,000 | 5,000 | 418,000 | 0 | 41,000 | 495,000 |
| Grand Total | | | | | | | 1,967,000 |

Present Road:

Surface Width? 24'

Surface Type? HBP

On-Street Parking Allowed?

Present: (NO) One Side Both Sides Angle Parallel
 Proposed: (NO) One Side Both Sides Angle Parallel

| Proposed Improvements | | | |
|-----------------------------|--------------------------|---------------------------------|--|
| ADT Present: <u>2220</u> | Year: <u>2011</u> | Travel Way Width: <u>12'</u> | |
| ADT Design: <u>2915</u> | Design Year: <u>2031</u> | No. of Lanes: <u>Two (2)</u> | |
| Design Speed: <u>25 mph</u> | | Roadway Width: <u>24'</u> | |
| Maximum Curve: <u>n/a</u> | | Min. R/W Width: <u>Existing</u> | |
| Maximum Grade: <u>3.60%</u> | | | |


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 ND DOT
 LOCAL GOV.

| Right of Way | | | | |
|--|-------------|----------------------|------|-----|
| Will additional ROW or easement be acquired? | <u>NO</u> | ROW acquisition by : | City | DOT |
| Has any ROW easements been acquired since 7-1-72: | <u>NO</u> | ROW Condemnation by: | City | DOT |
| Estimated No. of occupied family dwelling to be displaced? | <u>None</u> | | | |
| Estimated No. of business to be displaced? | <u>None</u> | | | |

| Impacts | |
|---|---|
| Will there be any additional Impacts (Cultural and Environmental Resources): | <u>NO</u> |
| Will there be any taking of any right of way from any public parkland (4F) or schools (6F): | <u>NO</u> |
| Airports: | <u>NO</u> Public Hearings: <u>Planned</u> |
| Environmental Classification (Cat-Ex, EA, EIS): | <u>Cat-Ex</u> |
| Transportation Enhancements: | |
| Intermodal: | |
| Pedestrian Needs: | <u>Sidewalk Crossings of US 281 are desired</u> |
| | |

| Cost Estimates Breakdown (in \$1,000) | | | | | | |
|---------------------------------------|-----------|---------------------------------|-----------------------|-------------|--------------------|---------------------|
| RR Name | No. Xings | No. Tracks and Type of Crossing | Daily Train Movements | Train Speed | Present Protection | Proposed Protection |
| NONE | | | | | | |
| NONE | | | | | | |

Purpose and Need Statement for Small Urban Area Projects

The purpose of the proposed project would be to reconstruct the existing frontage roads along US 281 through the City of New Rockford, North Dakota. These roadways were originally constructed in 1967 (west frontage road) and 1977 (east frontage road). They were overlaid in 2001 with local funding. The condition of the roadways is deteriorating and recent patching repairs are only extending the service life for a short time. Photographs of these existing conditions are attached.

The frontage roads that adjoin US 281 limit access to the highway from the City streets which restricts the number of conflict points along the highway. Consideration could be given to eliminating one additional conflict point to discourage Semi tractor trailers from attempting 180 degree turns from northbound US 281 to southbound east frontage road in order to get to the new grain terminal located east of town. This location is near the restaurant between 3rd and 5th Ave South.

US 281 was recently paved in 2008 through town with a slurry seal placed in 2011. New lighting and signing was installed in 2014 as part of project SNH-BRN-3-281(109)128. The proposed project would not impact the existing lighting, however excavation for storm sewer would potentially require some relocation of existing underground electrical lines. If there would be any impacts to signing, the existing support and sign would be reset.

Work items required to reconstruct the west frontage road would be to remove the existing bituminous surfacing and curb and gutter; preparing the subgrade and placing new surfacing materials as shown on the attached typical section. Light grading would be required on the ditch between the frontage road and US 281 to lessen the slope. The east frontage road would be similar but also include significant work on the ditch between US 281 and the frontage road. This ditch currently has steep slopes and while the steep section is outside of the clear zone for US 281, eliminating this hazard would improve the safety of both the frontage road and US 281. Two areas are identified for storm sewer to replace the existing ditch. The area between the two roadways would have a much gentler slope and with topsoil placed and the area seeded. The remainder of the ditch area has sufficiently gentle slopes and adding storm sewer in these areas would not be necessary.

The proposed frontage roads would have two 12 foot wide driving lanes, one in each direction. There would be no parking allowed on either side of the frontage roads.

There are no sidewalks or pedestrian facilities within the existing corridor. As there is limited right of way width, there are no plans for adding pedestrian facilities, however adding a delineated crossing location of US 281 near 1st Ave NE would be recommended.

No additional right of way would be required to construct the proposed project, however temporary construction easements would be necessary to tie in to the adjoining properties. The only utilities impacted would be for the existing lighting. The City of New Rockford's water and sewer facilities that cross the highway are sufficient and are not in need of any maintenance.

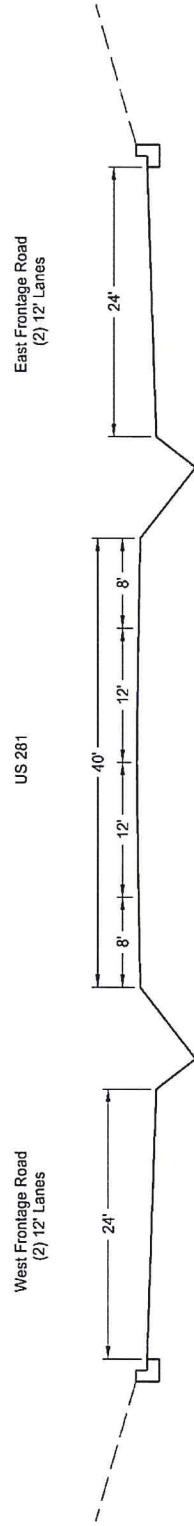
Remarks: This project would enhance the aesthetics of Highway 281 going through the town. It would also improve the drainage and maintenance of the ditches along this stretch of highway. The Devils Lake District is in favor of this project.

City Official: 

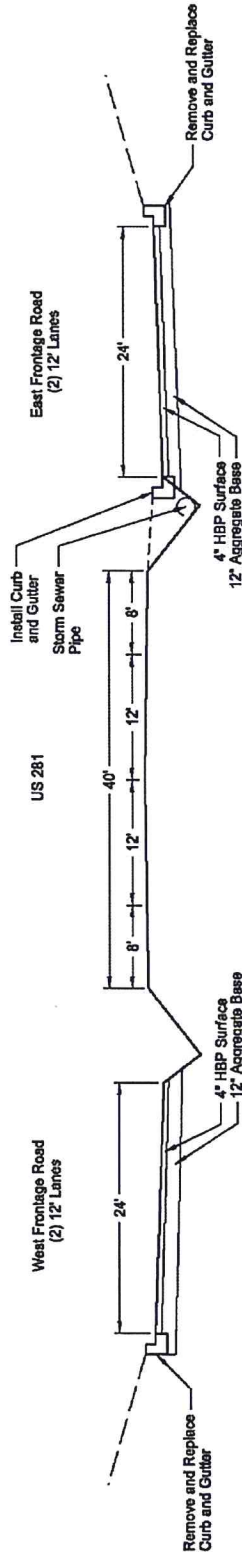
Date: 4-29-2015

District Engineer: Greg Semenko

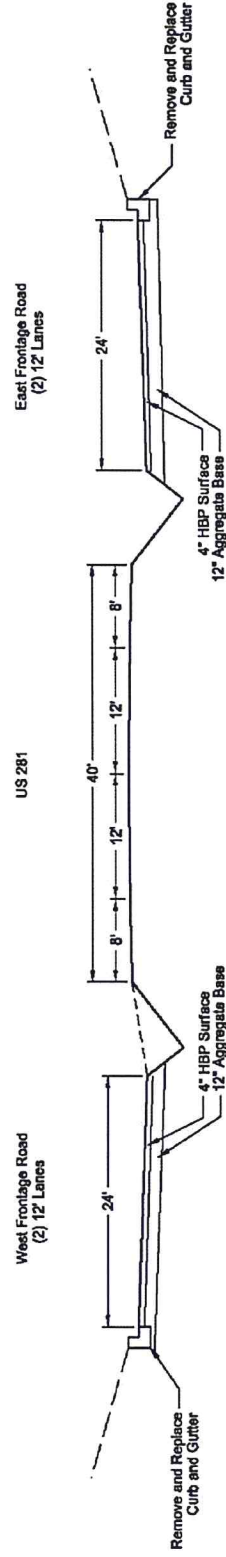
Date: 04/17/2015



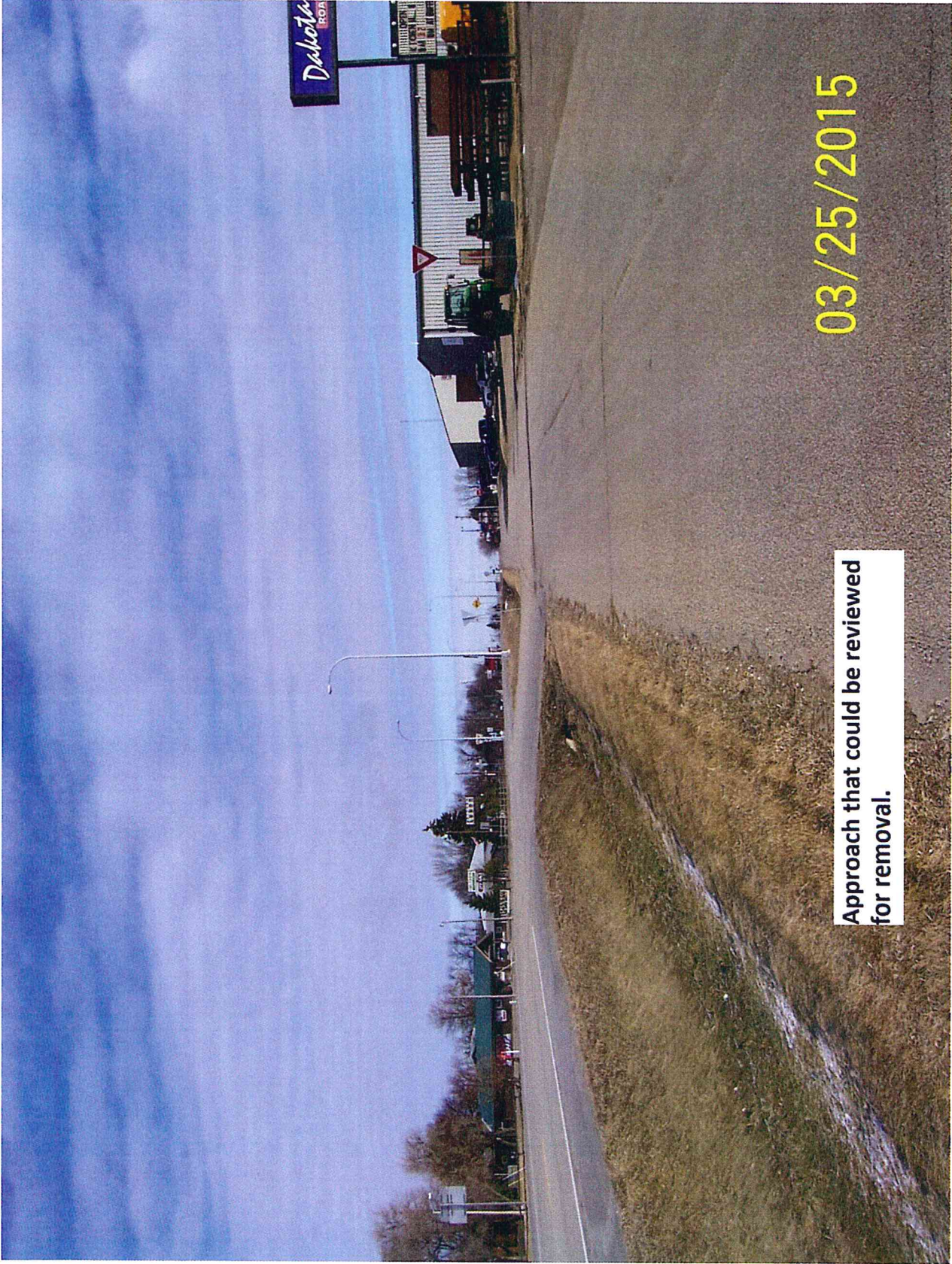
Existing Section



Proposed Section with Storm Sewer

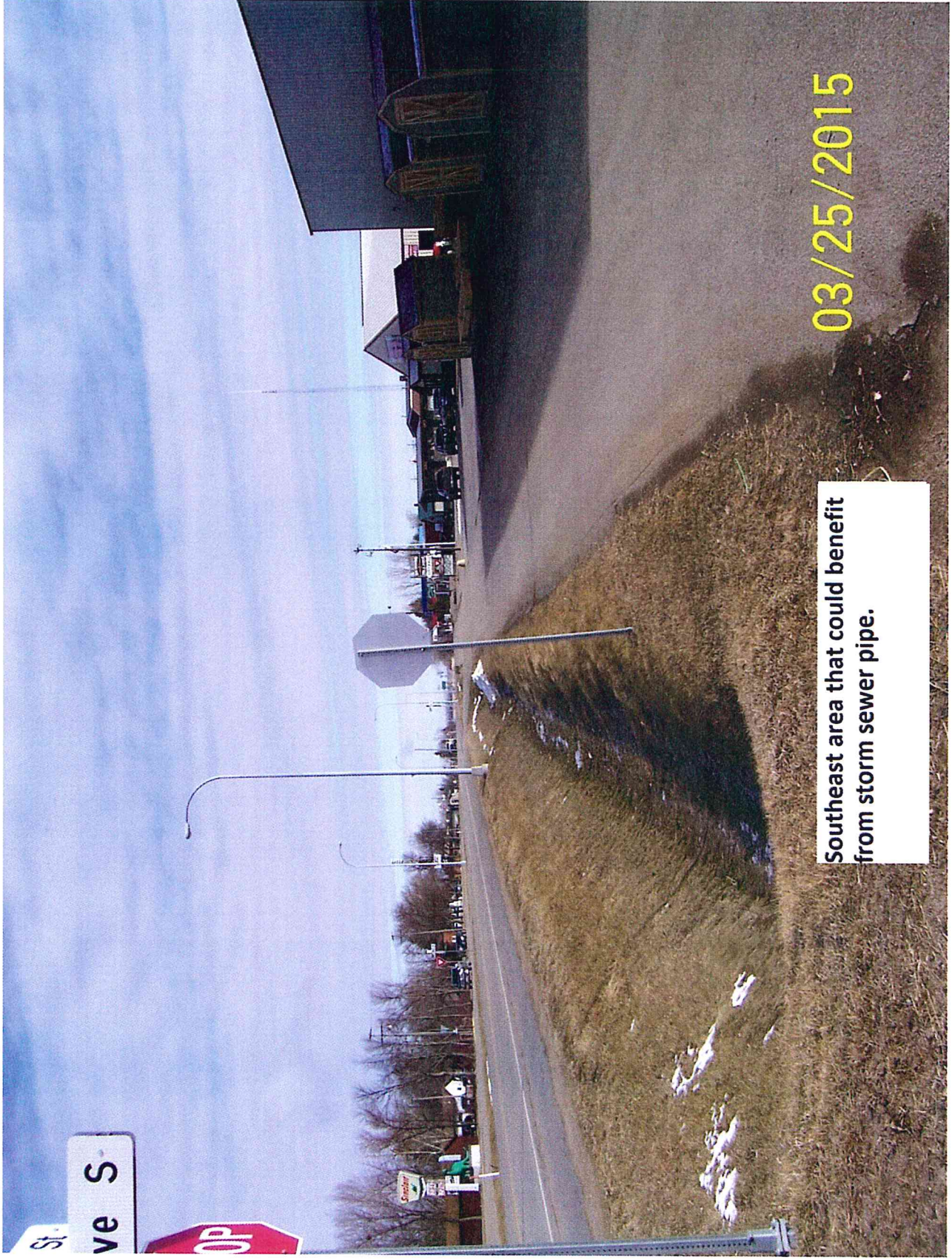


Proposed Section without Storm Sewer



03/25/2015

Approach that could be reviewed
for removal.



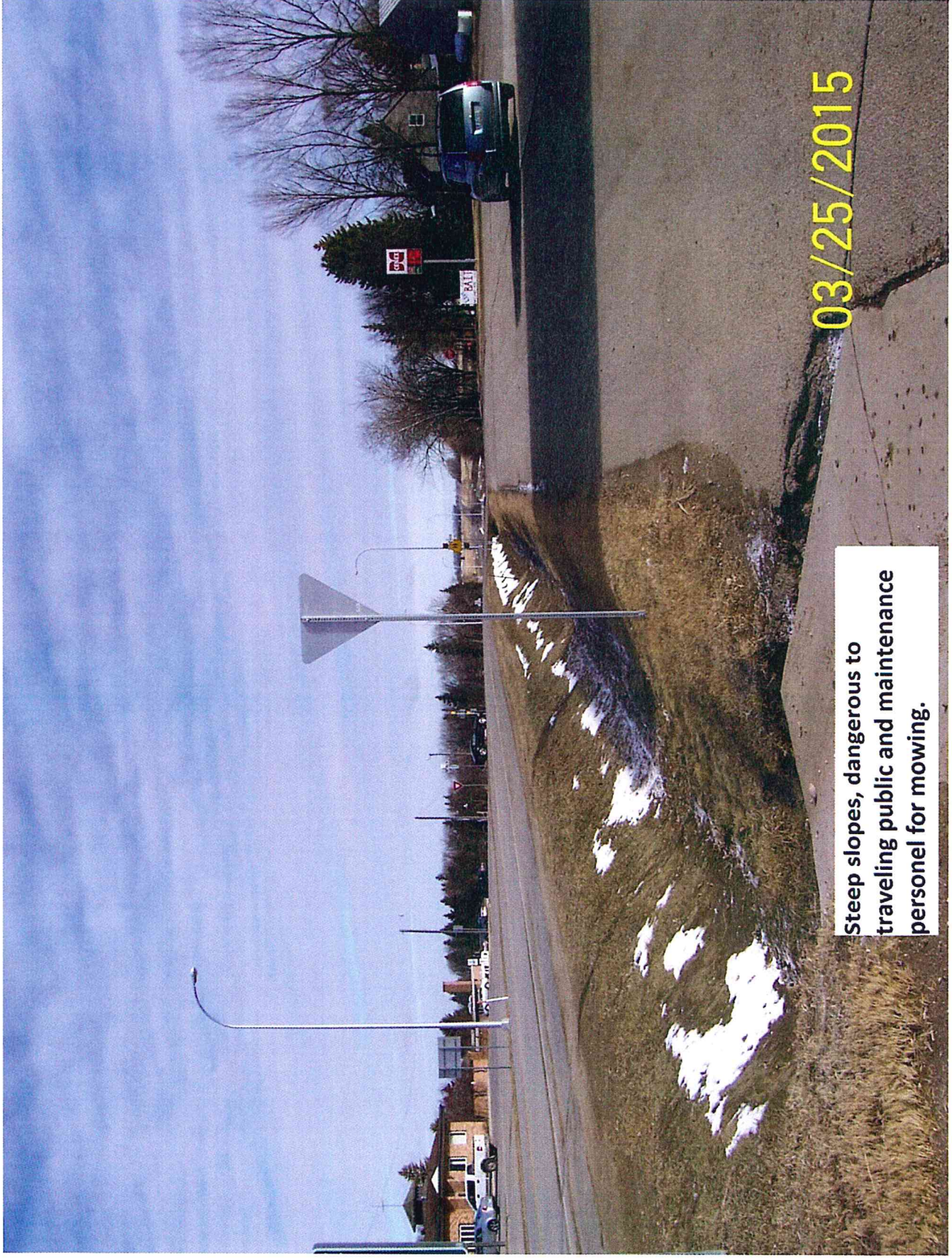
03/25/2015

Southeast area that could benefit
from storm sewer pipe.



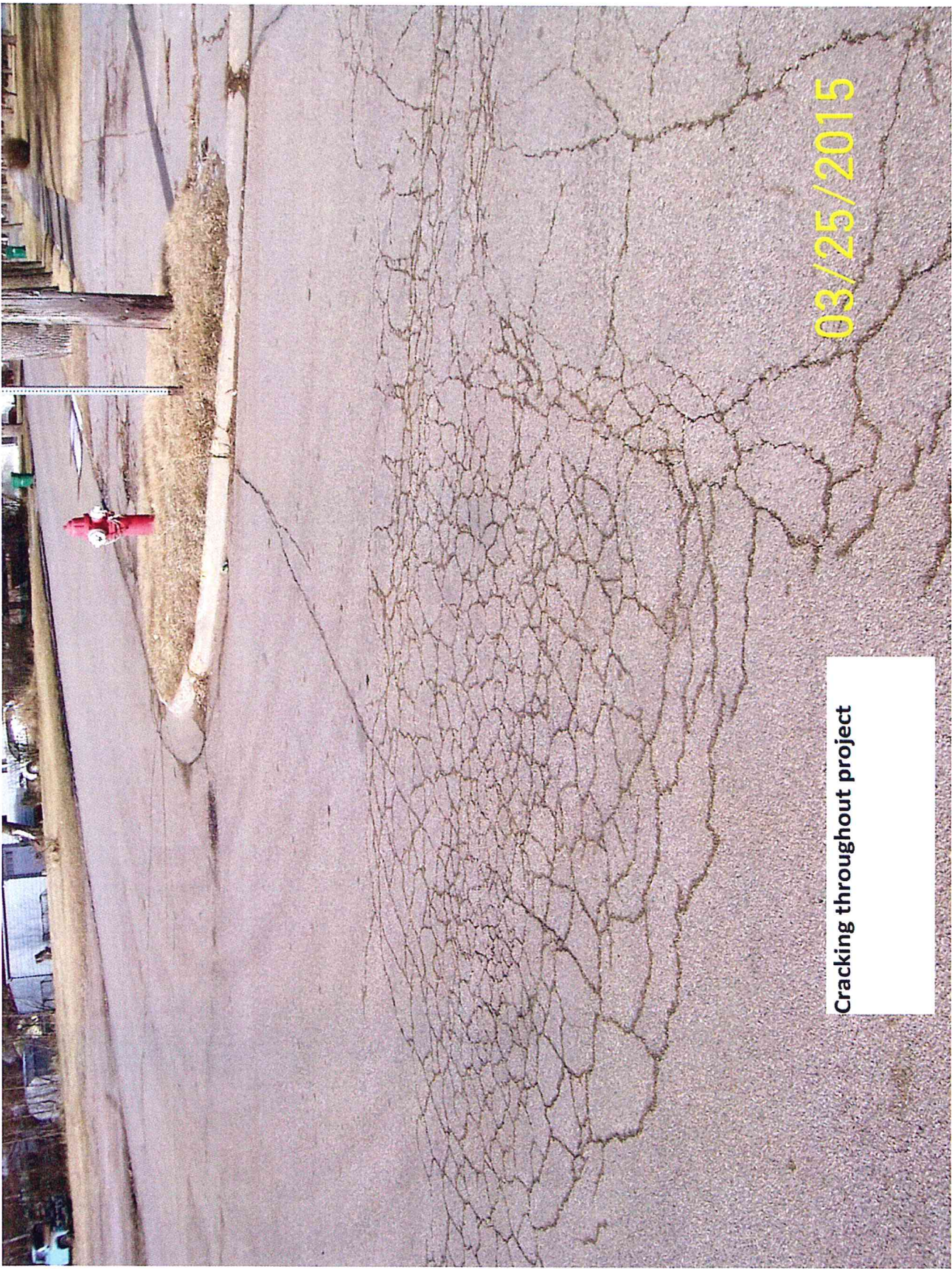
Central Avenue intersection Storm
sewer from here north would be
beneficial.

03/25/2015

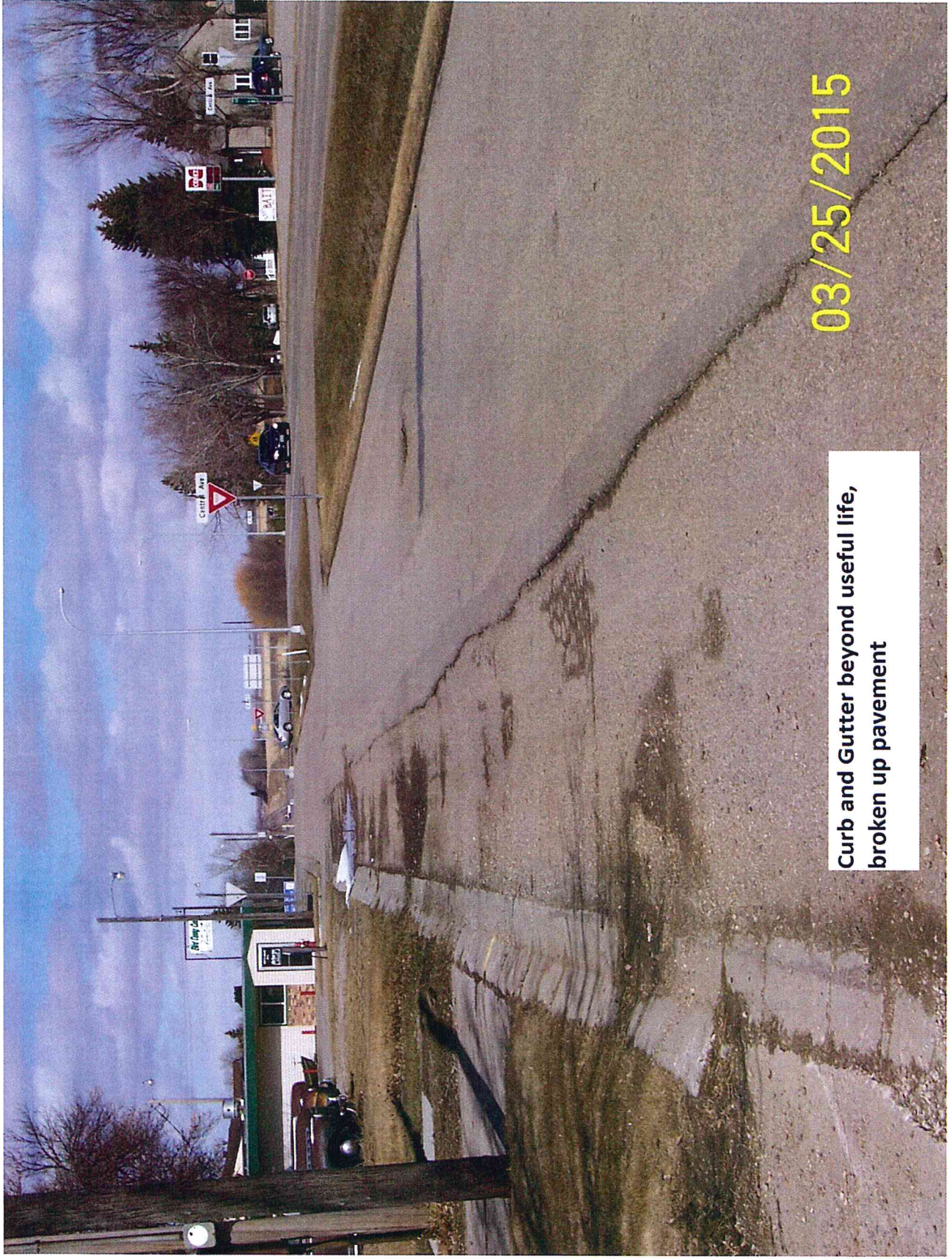


Steep slopes, dangerous to traveling public and maintenance personnel for mowing.

03/25/2015



Cracking throughout project



Curb and Gutter beyond useful life,
broken up pavement

03/25/2015

Proposed ND Street Project US 281 Frontage Roads New Rockford, ND

